

Message

From: Subramaniam, Ravi [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E738F9D27062486E9047184B867FD968-SUBRAMANIAM, RAVI]
Sent: 8/25/2020 6:25:27 PM
To: Bussard, David [Bussard.David@epa.gov]
Subject: RE: Question re two papers of yours (Ravi's)
Attachments: Main SCC d-r-03-23-17ak.rs.docx; tumor data KM adjusted.modeling.ppt

Page R-13 (figure does not have a number; it is a plot of cell proliferation as represented by labeling index vs concentration). Search for "Cellular Proliferation." The two vertical dotted lines on this plot compare the BMD derived from tumor data as modeled by Schlosser in 2003. The other file has a plot of the Kaplan-Meier adjusted tumor incidence against ppm to derive a BMDL.

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Ravi.

Ravi Subramaniam

Ex. 6 Personal Privacy (PP) (Mobile, text OK) / Off: RRB 71211 (T,W,Th); AWL (M,F). Mailcode 8602R

From: Bussard, David <Bussard.David@epa.gov>
Sent: Tuesday, August 25, 2020 1:39 PM
To: Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>
Subject: RE: Question re two papers of yours (Ravi's)

Thanks!

From: Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>
Sent: Tuesday, August 25, 2020 1:39 PM
To: Bussard, David <Bussard.David@epa.gov>
Subject: RE: Question re two papers of yours (Ravi's)

Hi David:

Good to hear from you. Here are the papers. It's mainly the 2007 and Crump 2008 papers. I thought I would send the others if some more of the discussion was needed.

Re the figures, we did do this for the formaldehyde assessment. I will have to look for it and will send separately.

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Ravi.

Ravi Subramaniam

Ex. 6 Personal Privacy (PP) (Mobile, text OK) / Off: RRB 71211 (T,W,Th); AWL (M,F). Mailcode 8602R

From: Bussard, David <Bussard.David@epa.gov>
Sent: Tuesday, August 25, 2020 1:16 PM
To: Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>
Subject: Question re two papers of yours (Ravi's)

Ravi,

Do you have a copy (and if not, the citations) for two papers of yours?

- (1) The work you did comparing low-dose linear extrapolation from the BMDL to the Crump upper-bound on the linear term. I think you did analysis that helped support the 2005 Cancer Guidelines?
- (2) The paper you did with Kenny on the sensitivity of the CIIT modeling to modeling assumptions.

Also, do you by any chance have any figures that plot both the tumor data of animal nasal tumors and data on cytotoxicity or cellular proliferation on the same scale? I have done such a plot for chloroform and would love to use such a plot of formaldehyde data in a talk.

I am happy to discuss context if you have time.

Thanks,

David